

RULE 63 (37 C.F.R. 1.63)
DECLARATION AND POWER OF ATTORNEY
FOR PATENT APPLICATION
IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

As a below named inventor, I hereby declare that my residence, post office address and citizenship are as stated below next to my name, and I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

**LONG-LASTING AQUEOUS DISPERSIONS OR SUSPENSIONS OF PRESSURE-RESISTANT GAS-FILLED MICROVESICLES AND METHODS
FOR THE PREPARATION THEREOF**

the specification of which (check applicable box(s)):

- is attached hereto
 was filed on _____ as U.S. Application Serial No. _____ (Atty Dkt. No. 1201-55)
 was filed as PCT International application No. _____ on _____
 and (if applicable to U.S. or PCT application) was amended on _____

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above. I acknowledge the duty to disclose information which is material to the patentability of this application in accordance with 37 C.F.R. 1.56. I hereby claim foreign priority benefits under 35 U.S.C. 119/365 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed or, if no priority is claimed, before the filing date of this application:

Priority Foreign Application(s):

| Application Number | Country | Day/Month/Year Filed |
|--------------------|---------|----------------------|
| EP 90810262.7 | Europe | April 2, 1990 |
| EP 90810367.4 | Europe | May 18, 1990 |
| PCT/EP91/00620 | World | April 2, 1991 |
| EP 92810046 | Europe | January 23, 1992 |
| EP 93810885.9 | Europe | December 15, 1993 |

I hereby claim the benefit under 35 U.S.C. 120/365 of all prior United States and PCT international applications listed above or below and, insofar as the subject matter of each of the claims of this application is not disclosed in such prior applications in the manner provided by the first paragraph of 35 U.S.C. 112, I acknowledge the duty to disclose material information as defined in 37 C.F.R. 1.56 which occurred between the filing date of the prior applications and the national or PCT international filing date of this application:

Prior U.S./PCT Application(s):

| Application Serial No. | Day/Month/Year Filed | Status: patented pending, abandoned |
|------------------------|----------------------|-------------------------------------|
| PCT/EP91/00620 | April 2, 1991 | |
| 07/775,989 | November 20, 1991 | 5,271,928 issued December 21, 1993 |
| 08/128,540 | September 29, 1993 | 5,380,519 issued January 10, 1995 |
| 08/352,108 | November 30, 1994 | 5,556,610 issued September 17, 1996 |
| 07/695,343 | May 3, 1991 | abandoned |
| 08/033,435 | March 18, 1993 | abandoned |
| 08/288,550 | August 10, 1994 | pending |

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon. And I hereby appoint NIXON & VANDERHYE P.C., 1100 North Glebe Rd., 8th Floor, Arlington, VA 22201-4714, telephone number (703) 816-4000 (to whom all communications are to be directed), and the following attorneys thereof (of the same address) individually and collectively my attorneys to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith and with the resulting patent: Arthur R. Crawford, 25327; Larry S. Nixon, 25640; Robert A. Vanderhye, 27076; James T. Hosmer, 30184; Robert W. Faris, 31352; Richard G. Besha, 22770; Mark E. Nusbaum, 32348; Michael J. Keenan, 32106; Bryan H. Davidson, 30251; Stanley C. Spooner, 27393; Leonard C. Mitchard, 29009; Duane M. Byers, 33363; Paul J. Henon, 33626; Jeffry H. Nelson, 30481; John R. Lastova, 33149; H. Warren Burnam, Jr. 29366; Thomas E. Byrne, 32205; Mary J. Wilson, 32955; J. Scott Davidson, 33489; Alan M. Kagen, 36178; William J. Griffin, 31260; Robert A. Molan, 29834; B. J. Sadoff, 36663; James D. Berquist, 34776.*

| | | | | |
|--------------------------|--------------------------|----|---------------------|-------------------------|
| 1. Inventor's Signature: | <u>Michael Schneider</u> | | | Date: <u>22/10/1997</u> |
| Inventor: | Michel (first) | MI | SCHNEIDER (last) | (citizenship) |
| Residence: (city) | | | | |
| Post Office Address: | | | | |
| (Zip Code) | | | | |
| 2. Inventor's Signature: | <u>Feng YAN</u> | | | Date: <u>22/10/1997</u> |
| Inventor: | Feng (first) | MI | YAN (last) | (citizenship) |
| Residence: (city) | | | | |
| Post Office Address: | | | | |
| (Zip Code) | | | | |

FOR ADDITIONAL INVENTORS, check box and attach sheet with same information and signature and date for each.

| | | | | | |
|----|-----------------------|--------------------------------|----|--------------------|-------------------------|
| 3. | Inventor's Signature: | | | | Date: |
| | Inventor: | Pascal (first) | MI | GRENIER (last) | (citizenship) |
| | Residence: (city) | | | | |
| | Post Office Address: | | | | |
| | (Zip Code) | | | | |
| 4. | Inventor's Signature: | <u>Jérôme Puginier</u> | | | Date: <u>22-10-1997</u> |
| | Inventor: | Jerome (first) | MI | PUGINIER (last) | (citizenship) |
| | Residence: (city) | <u>31 rue des brulins</u> | | | |
| | Post Office Address: | | | | |
| | (Zip Code) | <u>74520 VALLEIRY FRANCE</u> | | | |
| 5. | Inventor's Signature: | <u>Marie-Bernadette Barrau</u> | | | Date: <u>22/10/97</u> |
| | Inventor: | Marie-Bernadette (first) | MI | BARRAU (last) | (citizenship) |
| | Residence: (city) | | | | |
| | Post Office Address: | | | | |
| | (Zip Code) | | | | |
| 6. | Inventor's Signature: | <u>Philippe Bussat</u> | | | Date: <u>22/10/97</u> |
| | Inventor: | Philippe (first) | MI | BUSSAT (last) | (citizenship) |
| | Residence: (city) | | | | |
| | Post Office Address: | | | | |
| | (Zip Code) | | | | |
| 7. | Inventor's Signature: | <u>Eva Zykl</u> | | | Date: <u>7/11/97</u> |
| | Inventor: | Eva (first) | MI | ZYKL (last) | SUISSE (citizenship) |
| | Residence: (city) | <u>HEIDELBERG</u> | | | |
| | Post Office Address: | <u>17. Brückenkopfstrasse</u> | | | |
| | (Zip Code) | <u>69120</u> | | | <u>GERMANY</u> |
| 8. | Inventor's Signature: | <u>X Daniel Bichon</u> | | | Date: <u>27-10-97</u> |
| | Inventor: | Daniel (first) | MI | BICHON (last) | (citizenship) |
| | Residence: (city) | <u>MONTPELLIER</u> | | | |
| | Post Office Address: | <u>9, rue de Nazareth</u> | | | |
| | (Zip Code) | <u>34000</u> | | | <u>FRANCE</u> |

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SUGHRUE MION

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P.01

P.02

PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re REISSUE APPLICATION of

MICHEL SCHNEIDER et al

Reissue of Patent No. 5,413,774

Patent Granted: May 9, 1995

For: LONG-LASTING AQUEOUS DISPERSIONS OR SUSPENSIONS OF
PRESSURE-RESISTANT GAS-FILLED MICROVESICLES AND
METHODS FOR THE PREPARATION THEREOF

Assistant Commissioner of Patents
Washington, D.C. 20231

Sir:

REISSUE DECLARATION UNDER 37 CFR 1.172(a) AND 1.175(a)

I hereby declare and state as follows:

1. That I am an authorized representative of the assignee of U.S. Patent No. 5,413,774 ("the '774 patent"), Bracco International B.V. ("Bracco"), and that I deem this original '774 patent to be wholly or partly inoperative or invalid by reason of a defective specification in that the specification of the application inadvertently failed to claim benefit to its proper domestic and foreign priority dates. Specifically, the '774 patent as issued failed to cross-reference and to perfect entitlement to priority benefit under 35 U.S.C. §§ 119, 120 and 371 to:

- (1) U.S. Patent Application No. 07/775,989, PCT filed April 2, 1991, issued as U.S. Patent No. 5,271,928 on December 21, 1993,
- (2) International Patent Application No. PCT/EP91/00620 filed April 2, 1991,
- (3) European Patent Application No. 90810262.7 filed April 2, 1990;

the '774 patent as issued also failed to cross-reference and to

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SUGHRUE MION

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SCHNEIDER et al
Reissue of Patent No. 5,413,774
Page 2

perfect entitlement to priority benefit under 35 U.S.C. §§ 119 and 120 to:

(4) U.S. Patent Application No. 07/695,343 filed May 3, 1991,

(5) European Patent Application No. 90810367.4 filed May 18, 1990.

2. That through this reissue application, Applicants seek to perfect a claim of priority benefit under 35 U.S.C. §§ 119 and 120 to the above applications and their filing dates.

3. That the above-noted error being corrected arose without any deceptive intention on the part of the applicants.

4. That the '774 patent correctly cross-references and perfects entitlement to benefit under 35 U.S.C. § 119 to European Patent Application No. 92810046 filed January 23, 1992.

5. That I have personally reviewed and understand the contents of the claims and of the specification as amended to include a cross-reference and claim to priority benefit of the U.S. and foreign applications identified in ¶1 above, and that I acknowledge the duty to disclose to the Office all information known to me and to Bracco to be material to patentability as defined in 37 C.F.R. § 1.56.

SCHNEIDER et al
Reissue of Patent No. 5,413,774
Page 3

6. That this declaration is made in my representative capacity on behalf of Bracco International B.V., the assignee, and as provided under 37 CFR 1.172(a) that the application for reissue does not seek to enlarge the scope of the claims of the original patent.

7. That in my representative capacity I hereby appoint Nixon & Vanderhye, P.C., 1100 North Glebe Road, 8th Floor, Arlington, Virginia 22201-4714, telephone number (703) 816-4000, facsimile number (703)-816-4100, and the following attorneys thereof: Arthur R. Crawford, 25327; Larry S. Nixon, 25640; Robert A. Vanderhye, 27076; James T. Hosmer, 30184; Robert W. Faris, 31352; Richard G. Besha, 22770; Mark E. Nusbaum, 32348; Michael J. Keenan, 32106; Bryan H. Davidson, 30251; Stanley C. Spooner, 27393; Leonard C. Mitchard, 29009; Duane M. Byers, 33363; Paul J. Henon, 33626; Jeffrey H. Nelson, 30481; John R. Lastova, 33149; H. Warren Burnam, Jr. 29366; Thomas E. Byrne, 32205; Mary J. Wilson, 32955; J. Scott Davidson, 33489; Alan M. Kagen, 36178; William J. Griffin, 31260; Robert A. Molan, 29834; B. J. Sadoff, 36663; James D. Berquist, 34776, to make amendments thereto, and to transact all business in the Patent and Trademark Office connected therewith.

All correspondence regarding the above-identified application is to be sent to:

NIXON & VANDERHYE P.C.
1100 North Glebe Road, 8th Floor
Arlington, Virginia 22201-4714.

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SCHNEIDER et al

Reissue of Patent No. 5,413,774

Page 4

8. That pursuant to 37 CFR 1.178, I hereby offer to surrender the original patent.

9. That I further declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

N. Tomov

Dr. Nenad Tomov

Date: July 15, 1998

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re REISSUE PATENT APPLICATION of

Atty. Ref:1201-55

SCHNEIDER et al

Reissue of Patent No. 5,413,774

Granted: May 9, 1995

For: **LONG-LASTING AQUEOUS DISPERSIONS OR
SUSPENSIONS OF PRESSURE-RESISTANT GAS-
FILLED MICROVESICLES AND METHODS FOR
THE PREPARATION THEREOF**

* * * * *

Hon. Commissioner of Patents
and Trademarks
Washington, DC 20231

Sir:

**CONSENT OF ASSIGNEE FOR CORRECTION
INVENTORSHIP UNDER 37 CFR 1.172(a)**

BRACCO INTERNATIONAL B.V. is the assignee of all right, title and
interest in the above-identified application by virtue of an assignment recorded on
March 17, 1993 at reel 6529 frame 0572, a copy of which is attached from the
inventors to Sintetica S.A. and by change of name to BRACCO
INTERNATIONAL B.V. recorded on October 24, 1994 at reel 7173 frame 0988.
Copies of these assignments are attached as documentary evidence of chain of title
from the inventors to the assignee.

SCHNEIDER et al.
Reissue of Patent No. 5,413,774

I am authorized to act on behalf of BRACCO INTERNATIONAL B.V.

Date: 12/11/97

N. Tomov

Name: NEНАД ТОМОВ

Title: Patent Attorney



1201-2
UNITED STATES DEPARTMENT OF COMMERCE
Patent and Trademark Office
ASSISTANT SECRETARY AND COMMISSIONER
OF PATENTS AND TRADEMARKS
Washington, D.C. 20231

DATE: 11/10/94

TO:

N06A

NIXON & VANDERHYE P.C.
LARRY S. NIXON
1100 NORTH GLEBE ROAD
8TH FLOOR
ARLINGTON, VA 22201

UNITED STATES PATENT AND TRADEMARK OFFICE
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT BRANCH OF
THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS
AVAILABLE AT THE U.S. PATENT AND TRADEMARK OFFICE ON THE REEL AND FRAME
NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION
CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE
PATENT ASSIGNMENT PROCESSING SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR
QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE
NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR
CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT BRANCH,
NORTH TOWER BUILDING, SUITE 10C35, WASHINGTON, D.C. 20231

ASSIGNOR:

SINTETICA S.A.

DOC DATE: 10/05/94

RECORDATION DATE: 10/24/94 NUMBER OF PAGES 003 REEL/FRAME 7173/0988

DIGEST : ASSIGNMENT OF ASSIGNORS INTEREST

ASSIGNEE:

BRACCO INTERNATIONAL B.V.
7 DE BOELELAAN, 1083 H J
AMSTERDAM, THE NETHERLANDS

SERIAL NUMBER 8-033435 FILING DATE 03/18/93
PATENT NUMBER ISSUE DATE 00/00/00

D. C. Bay
EXAMINER/PARALEGAL
ASSIGNMENT BRANCH
ASSIGNMENT/CERTIFICATION SERVICES DIVISION



UNITED STATES DEPARTMENT OF COMMERCE

Patent and Trademark Office

ASSISTANT SECRETARY AND COMMISSIONER

OF PATENTS AND TRADE

DATE: 06/10/93

To:

N08B

NIXON & VANDERHYE P.C.
LEONARD C. MITCHARD
1100 NORTH GLEBE ROAD, 8TH FLOOR
ARLINGTON, VIRGINIA 22201

UNITED STATES PATENT AND TRADEMARK OFFICE
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PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT ASSIGNMENT PROCESSING SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT BRANCH, NORTH TOWER BUILDING, SUITE 10C35, WASHINGTON, D.C. 20231

ASSIGNOR:

DOC DATE: 12/14/92

SCHNEIDER, MICHEL

ASSIGNOR:

DOC DATE: 12/14/92

FENG, YAN

ASSIGNOR:

DOC DATE: 12/14/92

GARCEL, NADINE LEGAL HEIR OF PASCAL GRENIER (DECEASED)

ASSIGNOR:

DOC DATE: 12/14/92

PUGINIER, JEROME

RECORDATION DATE: 03/17/93 NUMBER OF PAGES 002 REEL/FRAME 6527/0572

DIGEST . ASSIGNMENT OF ASSIGNEE'S INTEREST

ASSIGNEE:

SINTETICA S.A.
7, ROUTE DE DRIZE CAROUGE
GENEVA, SWITZERLAND CH-1227

SERIAL NUMBER 7-991237 FILING DATE 12/16/92
PATENT NUMBER ISSUE DATE 00/00/00

F. Foster
EXAMINER/PARALEGAL
ASSIGNMENT BRANCH
ASSIGNMENT/CERTIFI

ASSIGNMENT OF PATENT APPLICATION

(1) (5) BARRAU, Marie-Bernadette

(2)

(Inventors) (3) _____ and

(4)

In consideration of the sum of one dollar (\$1.00) and other good and valuable considerations paid to each of the undersigned, the undersigned agree(s) to assign, and hereby does assign, transfer and set over to

(Assignee) (5) _____

(Address) (6) of _____

(hereinafter designated as the Assignee) the entire right, title and interest for the United States, its territories, dependencies and possessions, and for the country of

(Other Countries) (7) _____ in the invention, and all applications for patent and any Letters Patent which may be granted therefor, known as

(Title) (8) _____ (Case No. _____)

for which the undersigned has (have) executed on even date herewith an application for patent in the United States of America or, if not on even date, then has executed

(9) on _____ or has already filed in

(10) U.S. appln. Serial Number _____, filed on _____

(11) The undersigned acknowledges an obligation of assignment of this invention to said assignee at the time the invention was made.

1) The undersigned agree(s) to execute all papers and documents necessary in connection with the application or any interference which may be declared and any continuing or divisional applications thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient and further to perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.

2) The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States patent to the Assignee.

3) The undersigned hereby authorize(s) and request(s) the Commissioner of Patents to issue any and all Letters Patent of the United States resulting from said application or any division or divisions or continuing applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he has (they have) full right to convey the entire interest herein assigned, and that he has (they have) not executed and will not execute, any agreement in conflict herewith.

4) The undersigned hereby grant(s) the firm of NIXON & VANDERHYE P.C. the power to insert on this assignment any further identification which may be necessary to desirable in order to comply with the rules of the United States Patent Office for recordation of this document.

In witness whereof, executed by the undersigned on the date(s) opposite the undersigned signature(s).

Date 14 December, 1992 Signature of Inventor (1) (5) Marie-Bernadette Barrau

Date _____ Signature of Inventor (2) _____

Date _____ Signature of Inventor (3) _____

Date _____ Signature of Inventor (4) _____

RECORDED
PATENT & TRADEMARK OFFICE

Witnessed by:

Witness _____ Grace R. Date 14 December, 1992

Witness _____ K. J. O'ROURKE Date 14 December, 1992

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RECORDATION FORM COVER SHEET

U.S. Department of Commerce
Patent and Trademark Office

581

Our Ref: 1201-2

PATENTS ONLY

Commissioner of Patents and Trademarks
Box Assignment, Washington, D.C. 20231

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

SINTETICA S.A.

2. Name and address of receiving party(ies):

Name: BRACCO INTERNATIONAL B.V.

Additional name/s of conveying party/ies attached? []

3. Nature of conveyance:

 Assignment

(C1)

 Merger Security Assignment Change of Name Other _____

Execution Date: October 5, 1994

Internal Address:

Street Address: 7 De Boelelaan, 1083 H J

City: Amsterdam

State/Country: The Netherlands

Zip: _____

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is: _____

A. Patent Application No(s).

- (1) 08/033,435
(2)
(3)

B. Patent No(s).

- (1)
(2)
(3)

Additional numbers attached [] Yes No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Larry S. Nixon

6. Total number of applications & patents involved: 1

Internal Address: _____

7. Total fee (37 CFR 3.41) \$ 40.00

Street Address: Nixon & Vanderhye P.C.

 Enclosed

1100 North Glebe Road

 Authorized to be charged to deposit account #14-1140

8th Floor

(Attach duplicate copy of this page if paying by deposit account)

City: Arlington State: VA Zip: 22201

8. The Commissioner is hereby authorized to charge any deficiency in the fee(s) filed, or asserted to be filed, or which should have been filed herewith (or with any paper thereafter filed in this application by this form) to our Account No. 14-1140. A duplicate copy of this sheet is attached.

DO NOT USE THIS SPACE

1 531 40.00 DK

J.W.M.

9. Statements and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Larry S. Nixon

Name of Person Signing

Reg. No. 25,640

Signature

October 24, 1994

Date

Total number of pages including cover sheet, attachments, and document: [3]

NUNC PRO TUNC CORRECTED ASSIGNMENT

WHEREAS, SINTETICA S.A., a Swiss company having a place of business at 6850 Mendrisio, Switzerland, was the owner, by assignment, of United States patent Application Serial No. 08/033,435 filed March 18, 1993 as a continuation of abandoned U.S. Application Serial No. 07/695,343 filed May 3, 1991 entitled POLYMERIC GAS OR AIR FILLED MICROBALLOONS USABLE AS SUSPENSIONS IN LIQUID CARRIERS FOR ULTRASONIC ECHOGRAPHY (Case: S002/US/Echo I) which was erroneously listed in Schedule A of the March 28, 1994 assignment (now recorded in the U.S. Patent and Trademark Office at Reel 6933, Frames 0824-0828) under Serial No. 08/033,345;

WHEREAS, BRACCO INTERNATIONAL B.V., 7 De Boelelaan, 1083 HJ Amsterdam, The Netherlands but also having offices at 1, Riva Caccia, 6900 Lugano, is desirous of acquiring from SINTETICA S.A. the entire right, title and interest in, to and under the aforesaid patent application and the invention(s) therein described and claimed which was included with said erroneous serial number in said Schedule A to the March 28, 1994 assignment.

NOW THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, SINTETICA S.A. does nunc pro tunc as of March 28, 1994 hereby sell, assign and transfer unto said BRACCO INTERNATIONAL B.V., its successors and assigns, said invention(s), application and any Letters Patent issuing therefrom and continuation, division or reissue of said Letters Patent, the same to be held and enjoyed by BRACCO INTERNATIONAL B.V. for its own use and enjoyment and the use and enjoyment of its successors and assigns, and other legal representatives, to the end of the term for which Letters Patent is granted or reissued, as fully and entirely as the same would have been held and enjoyed by SINTETICA S.A. if this assignment and sale had not been

made, together with the right to sue for and collect the same for BRACCO INTERNATIONAL B.V.'s own use and enjoyment.

SENTETICA S.A.

Date: 5-10-94

By: Daren Maier

The undersigned Notary Public certifies that he is acquainted with
*Diana Bracco and that the foregoing is her true signature; moreover, that he
knows that SINTETICA S.A. is a company legally organized in accordance with the laws of
Switzerland and that *Diana Bracco, who signs in its name and stead is its officer
and has full authorization to sign.

* married de Silva, 1941, Italian citizen in Milano.

Date: Lugano, 11.10.1994

By Book Lender, Inc. et al.
Notary Public



No. 4962

OCT 24 94

PATENT AND TRADEMARK
OFFICE

REEL 11 73 FRAME 990



UNITED STATES DEPARTMENT OF COMMERCE

Patent and Trademark Office

ASSISTANT SECRETARY AND COMMISSIONER
OF PATENTS AND TRADEMARKS
Washington, D.C. 20231

DATE: 06/10/93

TO:

N08B

NIXON & VANDERHYE P.C.
LEONARD C. MITCHARD
1100 NORTH GLEBE ROAD, 8TH FLOOR
ARLINGTON, VIRGINIA 22201

1201-7

AC-41

UNITED STATES PATENT AND TRADEMARK OFFICE
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PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT ASSIGNMENT PROCESSING SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT BRANCH, NORTH TOWER BUILDING, SUITE 10C35, WASHINGTON, D.C. 20231

ASSIGNOR:

BARRAU, MARIE-BERNADETTE

DOC DATE: 12/14/92

RECORDATION DATE: 03/17/93 NUMBER OF PAGES 002 REEL/FRAME 6527/0574

DIGEST : ASSIGNMENT OF ASSIGNORS INTEREST

ASSIGNEE:

SINTETICA S.A.
7, ROUTE DE DRIZE CAROUGE
GENEVA, SWITZERLAND CH-1227

SERIAL NUMBER 7-991237 FILING DATE 12/16/92
PATENT NUMBER ISSUE DATE 00/00/00

P. Foster

EXAMINER/PARALEGAL
ASSIGNMENT BRANCH
ASSIGNMENT/CERTIFICATION SERVICES DIVISION

ASSIGNMENT OF PATENT APPLICATION

In consideration of the sum of one dollar (\$1.00) and other good and valuable considerations paid to each of the undersigned, the undersigned agree(s) to assign, and hereby does assign, transfer and set over to

(Assignee) (5) SINTETICA S.A.

(Address) (6) of 7, route de Drize, CH-1227 Carouge/Genève, Switzerland

(hereinafter designated as the Assignee) the entire right, title and interest for the United States, its territories, dependencies and possessions, and for the country of

(Other Countries) (7) _____ in the invention, and all applications for patent and any Letters Patent which may be granted therefor, known as
Long-Lasting Aqueous Dispersions or Suspensions of Pressure-Resistant Gas-Filled Microvesicles and Methods for the Preparation thereof (Case No. _____)

for which the undersigned has (have) executed on even date herewith an application for patent in the United States of America or, if not on even date, then has executed

(9) on _____ or has already filed in

(10) U.S. appln. Serial Number _____, filed on _____.

(11) The undersigned acknowledges an obligation of assignment of this invention to said assignee at the time the invention was made.

1) The undersigned agree(s) to execute all papers and documents necessary in connection with the application or any interference which may be declared and any continuing or divisional applications thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient and further to perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.

2) The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States patent to the Assignee.

3) The undersigned hereby authorize(s) and request(s) the Commissioner of Patents to issue any and all Letters Patent of the United States resulting from said application or any division or divisions or continuing applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he has (they have) full right to convey the entire interest herein assigned, and that he has (they have) not executed and will not execute, any agreement in conflict herewith.

4) The undersigned hereby grant(s) the firm of **NIXON & VANDERHYE P.C.** the power to insert on this assignment any further identification which may be necessary to desirable in order to comply with the rules of the United States Patent Office for recordation of this document.

In witness whereof, executed by the undersigned on the date(s) opposite the undersigned signature(s).

Date 14 December, 1992 Signature of Inventor (1) Michael Silberde

Date 14 December, 1992 Signature of Inventor (2) YAN Feng

Date 14 December, 1992 Signature of Inventor (3) Jadine GARCIA

Date 14 December, 1992 Signature of Inventor (4) Judith L. Puglisi

RECORDED 14 December, 1992

Witness John K. B. H. S. TENT & TRADEMARK OFFICE
Witness K. B. H. S. Date 14 December, 1992

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Patent and Trademark Office

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PATENTS ONLY

Our Ref: 1201-7 AD

Commissioner of Patents and Trademarks
Box Assignments, Washington, D.C. 20231

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

5) Marie-Bernadette Barrau

Additional name(s) of conveying party(ies) attached? Yes No

2. Nature of conveyance:

 Assignment Merger Security Assignment Change of Name Other

01

Execution Date: 14 December 1992

3. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is:

A. Patent Application No.(s)

- (1) 07/991,237
(2)
(3)

B. Patent No.(s)

- (1)
(2)
(3)

Additional numbers attached? Yes No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Leonard C. Mitchard

Internal Address:

Street Address: Nixon & Vanderhye P.C.

1100 North Glebe Road

8th Floor

City: Arlington State: VA ZIP: 22201

6. Total number of applications and patents involved: 1051

7. Total fee (37 CFR 3.41) \$ 40.00

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(Attach duplicate copy of this page if paying by deposit account)

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9. Statements and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Leonard C. Mitchard

Name of Person Signing
Reg. No. 29 009

Signature

March 17, 1993

Date

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To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

- Michel Schneider
 Yan Feng
 Pascal Grenier (deceased) legal heir Nadine Garcel
 Jerome Puginier

Additional name of conveying party attached? Yes No

3. Nature of conveyance:

- Assignment Merger
 Security Assignment Change of Name
 Other

Execution Date: 14 December 1992

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is:

A. Patent Application No.(s)

- (1) 07/991,237
(2)
(3)

B. Patent No.(s)

- (1)
(2)
(3)

Additional numbers attached? Yes No

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Name: Leonard C. Mitchard

Internal Address:

Street Address: Nixon & Vanderhye P.C.

1100 North Glebe Road

8th Floor

City: Arlington State: VA ZIP: 22201

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41) \$ 40.00

 Enclosed Authorized to be charged to deposit account #14-1140
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